Attachment 6 - Monitoring, Assessment, and Performance Measures

City of Stockton - High Efficiency Toilet Direct Installation Phase II – Program Expansion to Residential Customers

Project Goals	Desired Outcomes		Output Indicators/Metrics	Outcome Indicators/Metrics	Measurement Tools	Targets
Reduce Water Demands	Reduction of Water Demand of 224 acre-feet per year[1]	1.	# of HET Units Installed	0.56 acre-feet per year per HET[2]	# of Verified Installations	400 Units by June 30, 2012
		2.	# HET Installations Monthly	Are Monthly HET Installation Target being Met?	# of Verified Installations per Month	Approximately 23 HET's per month
Meet the Water Needs of DACs	15% (60 Units) of HET Residential Installations Performed in DAC Areas or in Defined Disadvantaged Households.	1.	80% Household Median Income - 2000 Census	Map of DAC Based on 2000 Census[3]	Map of Installation Locations	60 Units in DAC or Disadvantaged households
		2.	Definition of Disadvantaged Household	PGE CARE Program Qualified	Proof of Qualification	

Notes:

1. 400 HET Units x 0.56 acre-feet per year Water Savings = 224 acre feet per year.
2. Annual unit savings per HET provided by the California Urban Water Conservation Council.
3. See Proposal Figure 3-2 Map of Disadvantaged Census Blocks.

Stockton East Water District – 35 Acre Recharge Pond Demonstration Project

Project Goals	Desired Outcomes		Output Indicators/Metrics	Outcome Indicators/Metrics	Measurement Tools	Targets
Recharge the Groundwater Basin	Permanent Recharge Basin at the 35-acre NW Site of the SEWD Treatment Plant Property	1.	Recharge Rate	Feet per day	Flow Meters, Piezometers, Evaporation Data	0.40 Feet per day[1]
Recharge the Groundwater Basin	Permanent Recharge Basin at the 35-acre NW Site of the SEWD Treatment Plant Property	2.	Annual Recharge Volume	Acre-feet	Flow Meters, Piezometers, Evaporation Data	2,680 acre-feet per year[2]
Conjunctive Use - Increase Dry Year Supplies	Augment Dry-year Drinking Water Deliveries to the Stockton Metropolitan Area through Recovery Wells	1.	# of Acre-feet Recovered	# of Acre Feet Pumped	Well Meters, Flow Meters	Two Recovery Wells 1000 and 800 gallons per minute (7.95 acre-feet per day). Up to 1193 acre-feet in dry years under 150 day recovery scenario.

Notes:

1. Range of rates compare to similar recharge cells located on the SEWD Treatment Plant Property in current operation.
2. Based on operating scenario of 335 days of recharge over 20-acres at a recharge rate of 0.40 feet per day. SEWD expects to be able to meet this goal in 7 out of 10 years.